

Abstract

A multiple layer tubing for conveying a fluidic media in a medical or laboratory environment includes at least one outer layer of a copolyester ether (COPE) material. The tubing also includes an inner layer of a material compatible with sensitive fluidic media and at least one intermediate layer for bonding the outer layer to the inner layer. The material of the inner layer may be a high density polyethylene or a polyurethane material. The material of the intermediate layer may be ethylene-vinyl acetate (EVA). With the use of a COPE outer layer, a multiple layer medical tubing may be made without polyvinylchloride (PVC) or PVC plasticizers. The multiple layer tubing may be made by extrusion. The three layers may be co-extruded, simultaneously, as part of an efficient manufacturing processes.